



North Carolina Department of Health and Human Services
Division of Public Health

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October 10, 2013 (1 page)

To: All North Carolina Health Care Providers
From: Megan Davies, MD, State Epidemiologist
Re: **2013–14 Influenza Season: Testing Update for NC Clinicians**

This memo provides guidance to NC clinicians and information regarding testing for influenza. This guidance might change as the influenza season progresses; updated information is available at www.flu.nc.gov.

Specific information about diagnosis of novel influenza viruses such as H7N9 and H3N2v is covered in separate documents at www.flu.nc.gov.

TESTING

- Rapid influenza diagnostic test (RIDT) sensitivities are approximately 40–70% when compared with viral culture or reverse transcription polymerase chain reaction (RT-PCR). Therefore, a negative RIDT does NOT rule out infection and should not be used as a basis for treatment or infection control decisions during periods when influenza is known to be circulating. Additional information is available at <http://www.cdc.gov/flu/professionals/diagnosis>.
- Confirmatory influenza testing at the North Carolina State Laboratory of Public Health (SLPH) is primarily intended for virologic surveillance, rather than diagnostic purposes. This testing will focus on the following groups:
 1. A sample of patients with influenza-like illness seen at facilities participating in the Influenza-Like Illness Network (ILINet).
 2. Patients who die with influenza-like illness but have no laboratory evidence of influenza infection.
- Testing at SLPH can also be considered for other patients if the local health department determines that such testing is necessary for surveillance or to determine which control measures are needed. Examples include outbreaks in institutional settings, patients with recent swine exposure, and clusters of severe or unusual respiratory illness. **Local Health Department approval is REQUIRED for testing at the State Laboratory of Public Health**, with the exception of specimens submitted from ILINet providers. If testing cannot be performed at SLPH, it can be requested from commercial or hospital-based laboratories.
- Specific guidance regarding specimen collection and transport is available on the “Providers” tab at www.flu.nc.gov.

Health care providers should contact their Local Health Departments or the Communicable Disease Branch epidemiologist on-call 24/7 number (919-733-3419) for questions about influenza.

We will post updates with additional guidance as warranted on www.flu.nc.gov. Updates are also available from the CDC at www.cdc.gov/flu.

www.ncdhhs.gov • www.publichealth.nc.gov

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